From: "Michael PINTO" <michael.pinto@totalenergies.com>
To: "Novak, Madi" <Novak.Elisabeth@epa.gov>
Date: 3/29/2022 11:59:54 AM
Subject: FW: Arkema Project Area - Proposed "No Coring Buffer Area" around the Sewer Pressure Main
Attachments: ATT00001.txt
Data Request_City Sewer Line at RM7_20220328.pdf

Michael Pinto
RETIA USA, LLC
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From: Eron Dodak <edodak@integral-corp.com>
Sent: Monday, March 28, 2022 12:14 PM
To: Michael PINTO <michael.pinto@totalenergies.com>; David Livermore <dlivermore@integral-corp.com>; Rob Webb <rwebb@dofnw.com>; Tasya Gray <ngray@dofnw.com>
Subject: FW: Arkema Project Area - Proposed "No Coring Buffer Area" around the Sewer Pressure Main

FYI – I'll let you know when I hear back from Jeremiah.

ERON DODAK
Tel: 503.943.3614 | Cell: (b) (6)
INTEGRAL CONSULTING INC.

From: Eron Dodak
Sent: Monday, March 28, 2022 9:13 AM
To: Hess, Jeremiah <Jeremiah.Hess@portlandoregon.gov>
Subject: RE: Arkema Project Area - Proposed "No Coring Buffer Area" around the Sewer Pressure Main

Good Morning Jeremiah,

Thank you for your reply regarding our location of the City sewer line and planned offset to avoid physical contact with the sewer line.

Your questions regarding potential impacts of vibration on the sewer pipe will require evaluation as the potential for vibrations may affect not only sampling and investigation work, but also any potential future sediment remediation in the vicinity of the sewer line.

Vibracoring uses high frequency vibration of the core tube to fluidize sediments around the core tube, allowing the core tube to advance into the sediment. The external effects are typically limited to a relatively short distance, but this varies with site and equipment factors.

To support this evaluation attached is a data request form seeking to obtain any and all design, construction and maintenance data available on the sewer line. This data request covers all aspects of the sewer design, construction and maintenance whereas we had previously requested data related to the location of the City sewer line.

We greatly appreciate your and the City's support in locating any data that may assist in our evaluation of potential impacts of required sediment investigations and potential future sediment remediation in the vicinity of the City sewer line.

Thank you for your assistance. Please let me know if I can provide any additional information or if your team would like to have a call or meeting to discuss.

From: Hess, Jeremiah <Jeremiah.Hess@portlandoregon.gov>
Sent: Tuesday, March 22, 2022 10:42 AM
To: Eron Dodak <edodak@integral-corp.com>
Subject: RE: Arkema Project Area - Proposed "No Coring Buffer Area" around the Sewer Pressure Main

[CAUTION: External email. Think before you click links or open attachments.]
Hi Eron,

Just a quick question. Does the proposed vibracore sampling method result in ground shaking to the effect that it could be detected outside the 100-ft buffer zone? OK that might not be a quick question, but the joints of cast iron pipes are typically not restrained and easily influenced by ground movement. If the force is great enough, it could cause displacement or deflection.

Also, could you give me a couple days heads up when the sampling is going to occur? I'd like to see for myself the effort, looks interesting!

Jeremiah
Office: 503 823 7062
Cell: (b) (6)
Note: Due to the COVID-19 emergency I am currently working from home.

From: Eron Dodak <edodak@integral-corp.com>
Sent: Friday, March 18, 2022 1:34 PM
To: Hess, Jeremiah <Jeremiah.Hess@portlandoregon.gov>; Sanders, Dawn <Dawn.Sanders@portlandoregon.gov>
Cc: Michael PINTO <michael.pinto@totalenergies.com>; Novak, Madi <Novak.Elisabeth@epa.gov>; CASTELLI Chris * DSL <Chris.CASTELLI@dsl.oregon.gov>; David Livermore <dlivermore@integral-corp.com>; Rob Webb <rwebb@dofnw.com>; Tasya Gray <ngray@dofnw.com>; Mauri Fabio <mfabio@integral-corp.com>
Subject: RE: Arkema Project Area - Proposed "No Coring Buffer Area" around the Sewer Pressure Main

Hi Jeremiah,

Thanks so much. We are still on track with the schedule and start date, so we are in good shape.

Have a nice weekend!

ERON DODAK
Tel: 503.943.3614 | Cell: (b) (6)
INTEGRAL CONSULTING INC.

From: Hess, Jeremiah <Jeremiah.Hess@portlandoregon.gov>
Sent: Friday, March 18, 2022 1:11 PM
To: Eron Dodak <edodak@integral-corp.com>; Sanders, Dawn <Dawn.Sanders@portlandoregon.gov>
Cc: Michael PINTO <michael.pinto@totalenergies.com>; Novak, Madi <Novak.Elisabeth@epa.gov>; CASTELLI Chris * DSL <Chris.CASTELLI@dsl.oregon.gov>; David Livermore <dlivermore@integral-corp.com>; Rob Webb <rwebb@dofnw.com>; Tasya Gray <ngray@dofnw.com>; Mauri Fabio <mfabio@integral-corp.com>
Subject: RE: Arkema Project Area - Proposed "No Coring Buffer Area" around the Sewer Pressure Main

[CAUTION: External email. Think before you click links or open attachments.]
Eron and team,

I apologize for missing the 14th deadline. I want to thank you for the large amount of effort that went into locating the FM and revising the coring locations to avoid any potential conflicts. I understand that was a significant undertaking.

The "no coring buffer area" is acceptable and the team has my approval to proceed as planned. I hope my tardiness doesn't affect your start date. Please let me know if you need anything else from us.

Thanks again, and have a great weekend everyone.

Jeremiah
Office: 503 823 7062
Cell: (b) (6)
Note: Due to the COVID-19 emergency I am currently working from home.

From: Eron Dodak <edodak@integral-corp.com>
Sent: Tuesday, March 8, 2022 4:41 PM
To: Hess, Jeremiah <Jeremiah.Hess@portlandoregon.gov>; Sanders, Dawn <Dawn.Sanders@portlandoregon.gov>
Cc: Michael PINTO <michael.pinto@totalenergies.com>; Novak, Madi <Novak.Elisabeth@epa.gov>; CASTELLI Chris * DSL <Chris.CASTELLI@dsl.oregon.gov>; David Livermore <dlivermore@integral-corp.com>; Rob Webb <rwebb@dofnw.com>; Tasya Gray <ngray@dofnw.com>; Mauri Fabio <mfabio@integral-corp.com>
Subject: Arkema Project Area - Proposed "No Coring Buffer Area" around the Sewer Pressure Main

Hi Jeremiah and Dawn,

Attached is a memorandum that summarizes the work completed to locate the City of Portland's pressure sewer main located just upstream of the BNSF railroad bridge near river mile 6.9. The geophysical work was conducted by David Evans and Associates on behalf of Retia Inc., agent for Arkema. The memorandum includes a proposed "no coring buffer area" around the sewer.

Please let me know if the "no coring buffer area" is acceptable to you as soon as possible but no later than March 14. The coring work is scheduled to begin the week of April 4.

Please let me know if you have any questions or if you would like me to set up a Teams meeting to discuss the memorandum.

Thanks!

ERON DODAK | **Senior Science Advisor**
Tel: 503.943.3614 | Cell: (b) (6)
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edodak@integral-corp.com | www.integral-corp.com